

# Systems Administration

Systems administrators connect and maintain a variety of computers and other electronic equipment to help businesses run smoothly and efficiently. Continue reading to learn more about the field of systems administration.

## Inside Systems Administration

Businesses use computer systems to keep track of inventory, customer data, financial accounts and other information. Systems administrators install and maintain these computer systems and networks for organizations in almost every industry, including healthcare, finance and information technology. Common job responsibilities include managing servers, performing hardware and software upgrades, monitoring network stability and helping users troubleshoot computer issues.

Systems administrators come from a variety of educational backgrounds; most hold a degree in a computing-related field. *Study.com* has many resources that can help you decide which academic and career opportunities in systems administration meet your needs.

## Education and Certification Information

Most employers prefer systems administrators who hold a bachelor's degree in computer science or information technology. These 4-year degree programs include coursework in systems architecture, database management, computer network administration and programming languages. In some cases, businesses may prefer job applicants who are certified and have work experience.

Aspiring systems administrators might pursue CompTIA's Server+ or Linux+ certifications, or Microsoft's Certified Systems Administrator credential. Completion of an exam is required in order to obtain certification; some degree programs prepare students for these exams. Credentialing organizations may offer study guides or self-paced review courses that can help students prepare as well. Certification isn't required in this field, but it may lead to additional career opportunities.

Aspiring systems administrators may pursue undergraduate degrees in computer science or systems administration. If you already have an undergraduate degree and some professional experience, a certificate program in systems administration may help you gain the skills necessary to work in this field. Check out the pages below to learn more about just a few of the possible education options.

- [Network Systems Administration Bachelor's Programs](#)
- [Computer Science Bachelor's Programs](#)
- [Systems Administration Associate's Programs](#)
- [Certificate Programs in Systems Administration](#)

## Distance Learning

Several colleges and universities offer online bachelor's programs in computer science and online associate's programs in network administration. Online systems administration courses may be available in a standalone format or as part of a degree program. Read the articles below for more information on these distance learning options.

- [Online Computer Science Bachelor's Programs](#)
- [Online Associate's Programs in Network Administration](#)
- [Online Systems Administration Courses](#)
- [Online Courses in Network Administration](#)

## Career Opportunities

Some administrators specialize in certain software systems, like those designed by Microsoft, while others are capable of working on a variety of systems. The following links can help you decide which career is right for you.

- [Computer Systems Administrator](#)
- [Windows-Certified Systems Administrator](#)
- [Certified Systems Administrator](#)

[https://study.com/directory/category/Computer\\_Sciences/Information\\_Technology\\_Management/System\\_Administration.html](https://study.com/directory/category/Computer_Sciences/Information_Technology_Management/System_Administration.html)